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PTO/SB/05 (03-01)  
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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 4250.2.20  
First Inventor William S. Murray  
Title HANDHELD CZT RADIATION DETECTOR  
Express Mail Label No. EL852643648US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27
- ☒ Specification (Total Pages 55)  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Application
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) (Total Sheets 13)
- Oath or Declaration (Total Pages 4)
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)
    - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS); PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
if foreign priority is claimed
- ☒ Nonpublication Request under 37 U.S.C.  
122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent.
- ☒ Other: Express Mail Certificate

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation in-part (CIP) of prior application No.:  
Prior application information: Examiner: Group Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Express Mail Label

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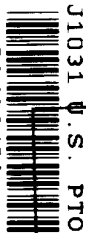
or ☐ Correspondence address below

PATENT TRADEMARK OFFICE

NAME	Craig Metcalf				
ADDRESS					
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COUNTRY	TELEPHONE	FAX			

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08/14/01



J1031 U.S. PTO

PTO/SB/17 (11-00)

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

## Complete If Known

Application Number  
Filing Date August 14, 2001  
First Named Inventor William S. Murray  
Group Art Unit  
Examiner Name  
Attorney Docket Number 4250.2.20

J1031 U.S. PTO  
09/30/01  
08/14/01

TOTAL AMOUNT OF PAYMENT \$660

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to

Deposit Account Number 13-0763  
Deposit Account Name MADSON & METCALF

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

☐ Check ☒ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	101	355	Utility filing fee	355
106	320	106	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1)					355

## 2. CLAIMS

Total Claims		Extra		Fee from below		Fee Paid
45	-20** =	25	9	225		
4	-3** =	1	40	40		
Multiple Dep. Claims		0	135	0		

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	18	201	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claims	
109	80	209	40	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 4 and over original patent	

\*Reduced by Basic Filing Fee

SUBTOTAL (2)

265

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	217	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2500	147	2520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1290	218	695	Extension for reply within fourth month	
121	1890	221	945	Extension for reply within fifth month	
122	110	222	55	Extension of Appeal	
129	310	229	155	Filing a one-time support of an appeal	
121	270	221	135	Request for oral hearing	
133	1610	133	1610	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - intentional	
141	1240	241	620	Petition to revive - unintentional	
142	1240	242	620	Utility issue fee	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
102	130	102	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	240	126	240	Submission of Information Disclosure Sheet	
531	40	531	40	Recording each patent assignment per property (times number of properties)	40
146	710	146	355	Filing a submission after final rejection (37 CFR 1.125(a))	
149	710	149	355	For each additional invention to be examined (7 CFR 1.124(b))	
159	710	159	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a new application	

\*Reduced by Basic Filing Fee

SUBTOTAL (3)

10

## SUBMITTED BY

Typed or Printed Name Craig Metcalf

Signature

Date

Aug 14, 2001

## Complete (if applicable)

Reg. Number 31,398

Deposit Account User ID

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<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	William S. Murray
	Title	HANDHELD CZT RADIATION DETECTOR
	Atty Docket Number	4250.2.20

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 14, 2001

Date

  
Signature

Craig Metcalf

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) and the PTO to process that request. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the estimated time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231

PATENT APPLICATION  
Docket No.: 4250.2.20

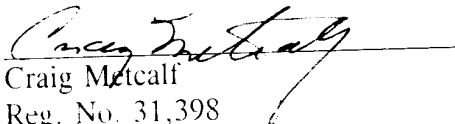
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"Express Mail" Mailing Label No.: EL852643648US

Date of Deposit: August 14, 2001

I hereby certify that this patent application in the name of William S. Murray, William Baird, and Kenneth B. Butterfield for HANDHELD CZT RADIATION DETECTOR, together with the drawings, a joint signature Combined Declaration and Power of Attorney, an Assignment and Recordation Form Cover Sheet, Nonpublication Request, a Credit Card Payment Form for \$620 and a Credit Card Payment Form for \$40 are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

  
Craig Metcalf  
Reg. No. 31,398  
Attorney for Applicant

Date: August 14, 2001

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